

## GLYPHOSATE

### VERMONT USE

The herbicide glyphosate is legal for use in Vermont. Pesticide use records dating back to 1985 indicate that the use of glyphosate in Vermont is substantial. The following table lists the pounds of active ingredient of glyphosate used by commercial applicators.

<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>
5,609	4,771	10,592	6,688	7,350	5,346	5,670

The use figures listed above represent approximately 40% to 60% of the total annual use for glyphosate. This estimate is based upon the proportion of pesticide applications made by private and commercial applicators for particular groups of compounds.

### USE PATTERNS AND CERTIFICATION REQUIREMENTS

Glyphosate is used extensively by both commercial and private applicators. The agricultural uses of glyphosate include corn, field and forage crops, fruits and vegetables, Christmas trees, orchards, nurseries and greenhouses. The industrial uses of glyphosate include right-of-way maintenance for utilities, railroads and highways, forestry, waste water treatment plants, golf courses and landscaping. Glyphosate is also available for use by home owners on lawns and gardens.

Glyphosate is a "General Use" pesticide in Vermont. Therefore, glyphosate may be sold by Class "B" pesticide dealers. Class "B" dealers are hardware stores and lawn and garden centers. Class "B" pesticides are available to the general public and do not require an applicator to be certified. The Department of Agriculture, Food and Markets does not have records on the amount of glyphosate used by private applicators because dealers are required to report only the sales of restricted use pesticides. Certified private applicators are required to keep records of pesticide use but are not required to submit reports. Glyphosate is also labeled as an aquatic herbicide (Rodeo). Aquatic applications of glyphosate require a permit from the Water Quality Division at D.E.C. Aquatic applications of glyphosate must be made by a certified applicator. The Water Quality Division has a permit on file (issued in 1990) for the use of glyphosate by the U.S. Fish and Wildlife Service within the Missisquoi National Wildlife Refuge in Swanton. The only other permits issued in the past were for private ponds. One each in 1988 and 1990.

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